

# MATERIAL SAFETY DATA SHEET



DATE PREPARED: 08/07/2002  
MSDS No: 7158

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Scotts® Smart Solutions™ Lawn Weed Killer Ready-To-Use

**PRODUCT DESCRIPTION:** Herbicide

### MANUFACTURER

The ORTHO Group  
P.O. Box 190  
Marysville, OH 43040

### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEMTREC (U.S.):** (800) 424-9300  
**Emergency Phone:** 1-866-818-4304

**EPA REG. NO.:** 239-2499C **PN:** 5488

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS#
2,4-D, dimethylamine salt	0.2	2008-39-1
Mecoprop, dimethylamine salt	0.2	32351-70-5
Other Ingredients	99.6	

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### IMMEDIATE CONCERNS: CAUTION

- HARMFUL IF ABSORBED THROUGH THE SKIN
- KEEP OUT OF REACH OF CHILDREN

### POTENTIAL HEALTH EFFECTS

**EYES:** This substance is not expected to cause eye irritation.

**SKIN:** Harmful if absorbed through skin.

**INGESTION:** If swallowed, this substance is considered practically non-toxic.

**INHALATION:** The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic if inhaled. This hazard evaluation is based on the known toxicity of the ingredients in this substance. See Toxicology Information, Section 11.

## 4. FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**SKIN:** If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**INGESTION:** If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**COMMENTS:** See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2000-3 April 11, 2000 - and would apply in the event a product label is not immediately available.

## 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** >200°F TAG CC

**EXTINGUISHING MEDIA:** Alcohol Foam, CO<sub>2</sub>, Dry Chemical, Water Fog

**HAZARDOUS COMBUSTION PRODUCTS:** This material will not burn.

**FIRE FIGHTING PROCEDURES:** This material will not burn. Smoke from fires involving this material may present unusual hazards. Avoid breathing smoke and mists. Avoid contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Read the entire document.

## 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Soak up spilled material with paper towels and discard in trash.

**LARGE SPILL:** Liquid spills on floor or other impervious surfaces should be contained or diked, and should be absorbed with attapulgate, bentonite or other absorbent clays. Collect contaminated absorbent, place in plastic-lined metal drum and dispose of in accordance with instructions provided under Section 13. "DISPOSAL". Thoroughly scrub floor or other impervious surface with a strong industrial type detergent solution and rinse with water. For liquid spills that soak into the ground, contact the applicable Federal, State and or County Health Dept. for disposal recommendations. If disposal is required then refer to Section 13 "DISPOSAL" for instructions. Leaking containers should be separated from non-leakers and either the container or its contents transferred to a drum or other non-leaking container and disposed of in accordance with instructions provided under Section 13 "Disposal". Any recovered spilled liquid should be similarly collected and disposed of. Do not contaminate water, foodstuffs or feed by storage or disposal.

**GENERAL PROCEDURES:** Clean up spills immediately, observing precautions in Exposure Controls/ Personal Protection section.

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Keep pesticide in original container. Do not put concentrate or diluted product into food or drink containers. Store in a secure, preferably locked, storage area. Protect container from freezing.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** No special ventilation is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards (in Section 8), then special ventilation may be required.

### PERSONAL PROTECTION

**EYES AND FACE:** When handling the concentrate or applying the diluted product, wear goggles or face shield.

**SKIN:** Wear protective clothing when handling or applying this product including long pants, long sleeved shirt, socks, shoes, and chemical resistant gloves. Wash nondisposable gloves thoroughly with soap and water before removing. Remove contaminated clothing and launder separately before reuse. Promptly and thoroughly wash hands and exposed skin with soap and water after using this product.

**RESPIRATORY:** No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards, the use of an approved respirator is required.

### OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

Chemical Name	EXPOSURE LIMITS		
	OSHA PEL	ACGIH TLV	ACGIH STEL
2,4-D, dimethylamine salt	10 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	None
Mecoprop, dimethylamine salt	None	None	None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**APPEARANCE:** Light amber liquid

**pH:** ~7.8 to 8.6

**PERCENT VOLATILE:** 0

**VAPOR PRESSURE:** <10 mmHg at 25°C

**VAPOR DENSITY:** 0.67 (Air=1)

**BOILING POINT:** 210°F  
**FREEZING POINT:** No Data Available  
**MELTING POINT:** 30°F  
**SOLUBILITY IN WATER:** Soluble  
**EVAPORATION RATE:** 0(n-Butyl Acetate=1)  
**DENSITY:** No Data Available  
**SPECIFIC GRAVITY:** 1.00 at 20°C

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## 10. STABILITY AND REACTIVITY

**STABLE:** YES

**HAZARDOUS POLYMERIZATION:** NO

**HAZARDOUS DECOMPOSITION:** No Data Available

**INCOMPATIBLE MATERIALS:** May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

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## 11. TOXICOLOGICAL INFORMATION

### ACUTE

**EYES:** No corneal involvement. Slight conjunctival irritation. All eyes normal by 24 hours.

**DERMAL LD<sub>50</sub>:** Mild to slight irritation at 72 hours. (No irritation or slight erythema.) The Draize Skin Primary Irritation Score (range, 0-8) for a 4-hour exposure (rabbits) is 0. The dermal LD50 in rabbits is greater than 5 g/kg.

**ORAL LD<sub>50</sub>:** Rats = > 5.0 g/kg.

EPA FIFRA toxicity category - IV.

**INHALATION LC<sub>50</sub>:** No product toxicology data available. The hazard evaluation was based on data on the components.

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## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This product is toxic to aquatic invertebrates. Drift from this product may adversely affect aquatic invertebrates and nontarget plants.

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## 13. DISPOSAL CONSIDERATIONS

**FOR LARGE SPILLS:** Material collected that cannot be reprocessed should be disposed of in a landfill approved for pesticide disposal or in accordance with applicable Federal, state, or local procedures.

**PRODUCT DISPOSAL:** Call local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any drain.

**EMPTY CONTAINER:** Do not reuse this container. Place in trash or offer for recycling if available.

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## 14. TRANSPORT INFORMATION

### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Not Regulated

**U.S. SURFACE FREIGHT CLASS:** Tree or weed killing compounds, NOI, Density of 20 lbs. or greater per cu. ft.

**SPECIAL SHIPPING NOTES:** The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

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## 15. REGULATORY INFORMATION

### UNITED STATES

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

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PRODUCT CLASSIFICATION UNDER SECTION 311 OF SARA				
ACUTE: YES	CHRONIC: NO	FIRE: NO	REACTIVITY: NO	PRESSURE GENERATING: NO

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All non FIFRA regulated components are on the US EPA's TSCA Inventory List.

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**16. OTHER INFORMATION****NFPA CODES**

**FIRE:** 0   **HEALTH:** 1   **REACTIVITY:** 0   **SPECIAL:** -

**APPROVAL DATE:** 08/07/2002

**REVISION SUMMARY** New MSDS

**ADDITIONAL MSDS INFORMATION:** NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

**GENERAL STATEMENTS:** This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

**COMMENTS:** Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**MANUFACTURER DISCLAIMER:** The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.